

## ABSTRACT

A method of controlling a sound field reproduction unit (2) having numerous reproduction elements (3n), uses a plurality of sound information input signals (SI) which are each associated with a general pre-determined reproduction direction which is defined in relation to a given point (5). The method includes: determining parameters which are representative of the position of the elements (3n) in the three spatial dimensions; determining matching filters (A) from the spatial characteristics and the general pre-determined reproduction directions; determining control signals by applying the aforementioned filters to the sound information input signals (SI); and delivering control signals for application to the above-mentioned reproduction elements (3n).